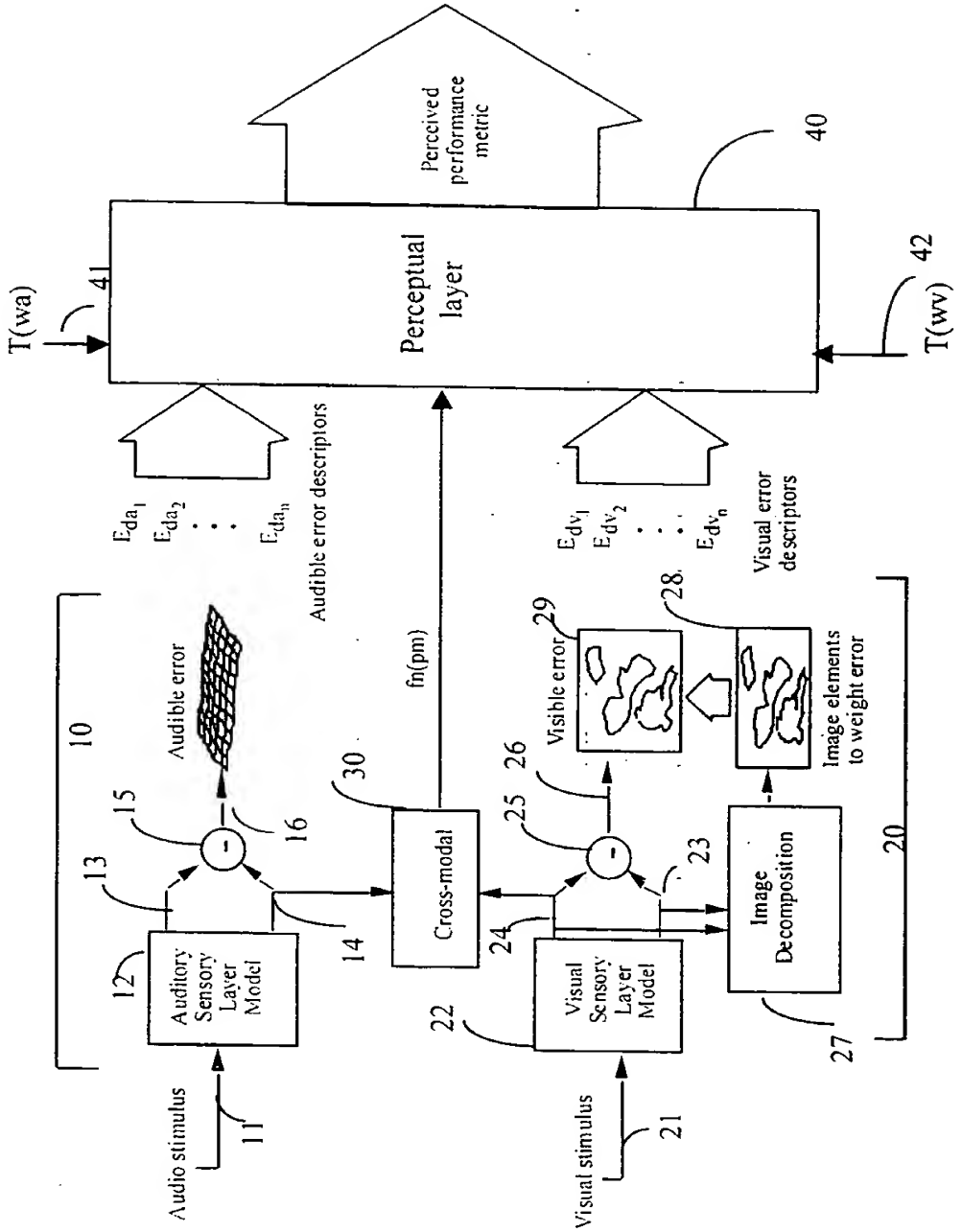
Perceived performance metric
40
Perceptual layer
41
T(wa)
42
T(wv)
Audible error descriptors
Visual error descriptors
fn(pm)
10
Audible error
15
16
13
12
Auditory Sensory Layer Model
14
Cross-modal
30
26
Visible error
29
28
25
23
24
Visual Sensory Layer Model
22
Image Decomposition
Image elements to weight error
20
27
Audio stimulus
11
Visual stimulus
21

Figure 1

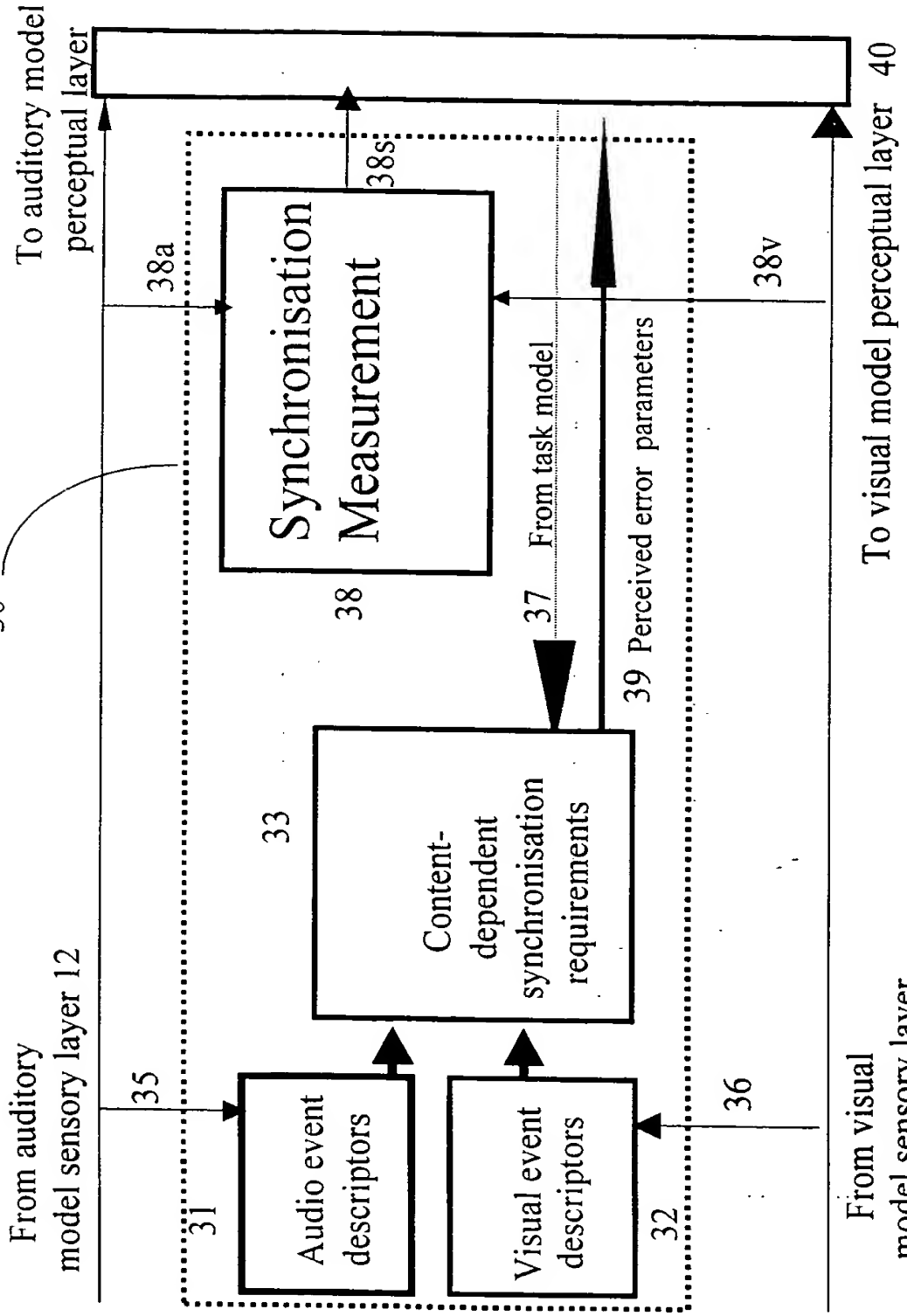
To auditory model perceptual layer
40
38s
38a
Synchronisation Measurement
38
38v
To visual model perceptual layer
30
From task model
37
39 Perceived error parameters
33
Content-dependent synchronisation requirements
From auditory model sensory layer 12
35
31
Audio event descriptors
Visual event descriptors
32
36
From visual model sensory layer
22

Figure 2

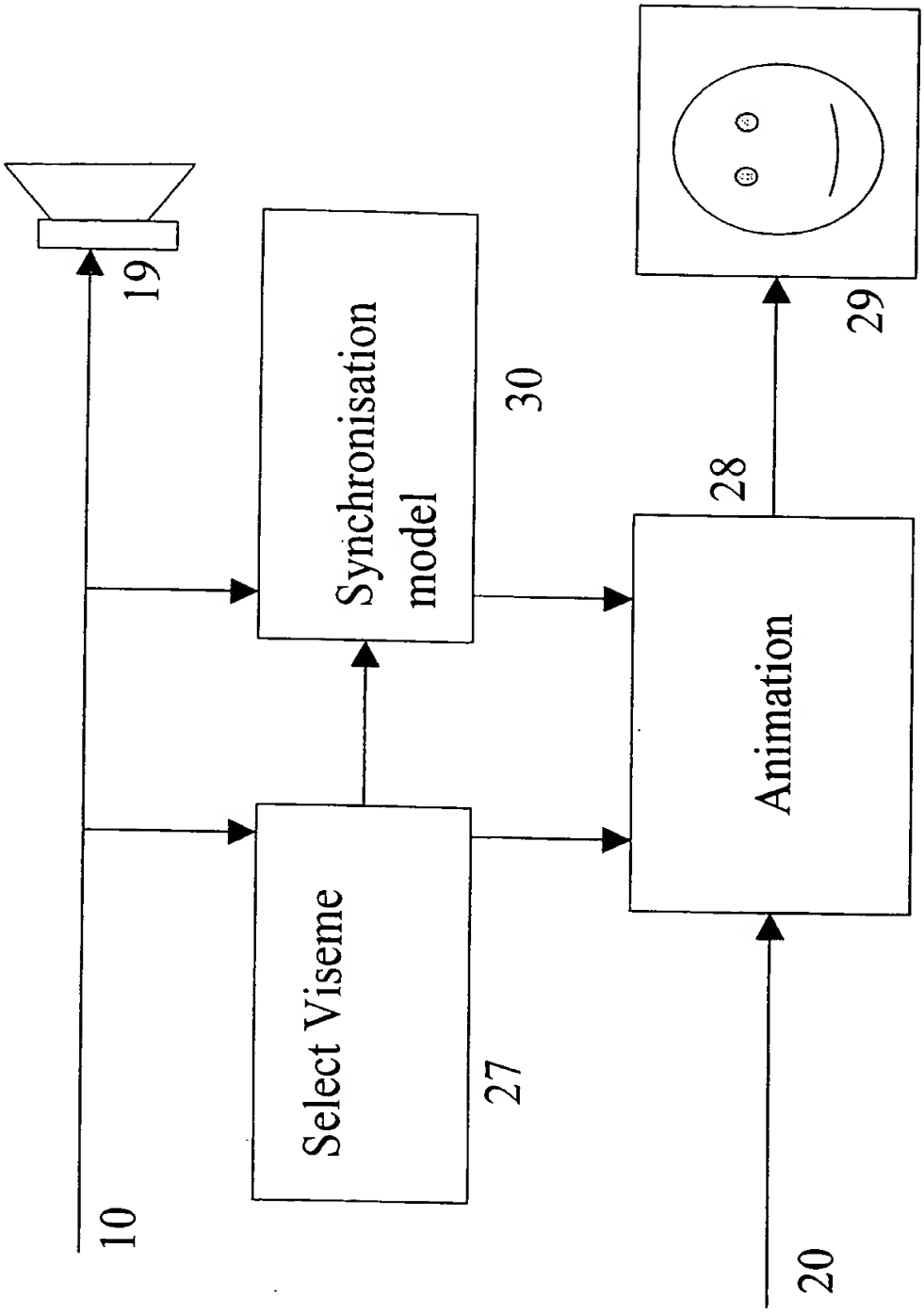
19
Synchronisation model
30
29
28
Animation
Select Viseme
27
10
20

Figure 5

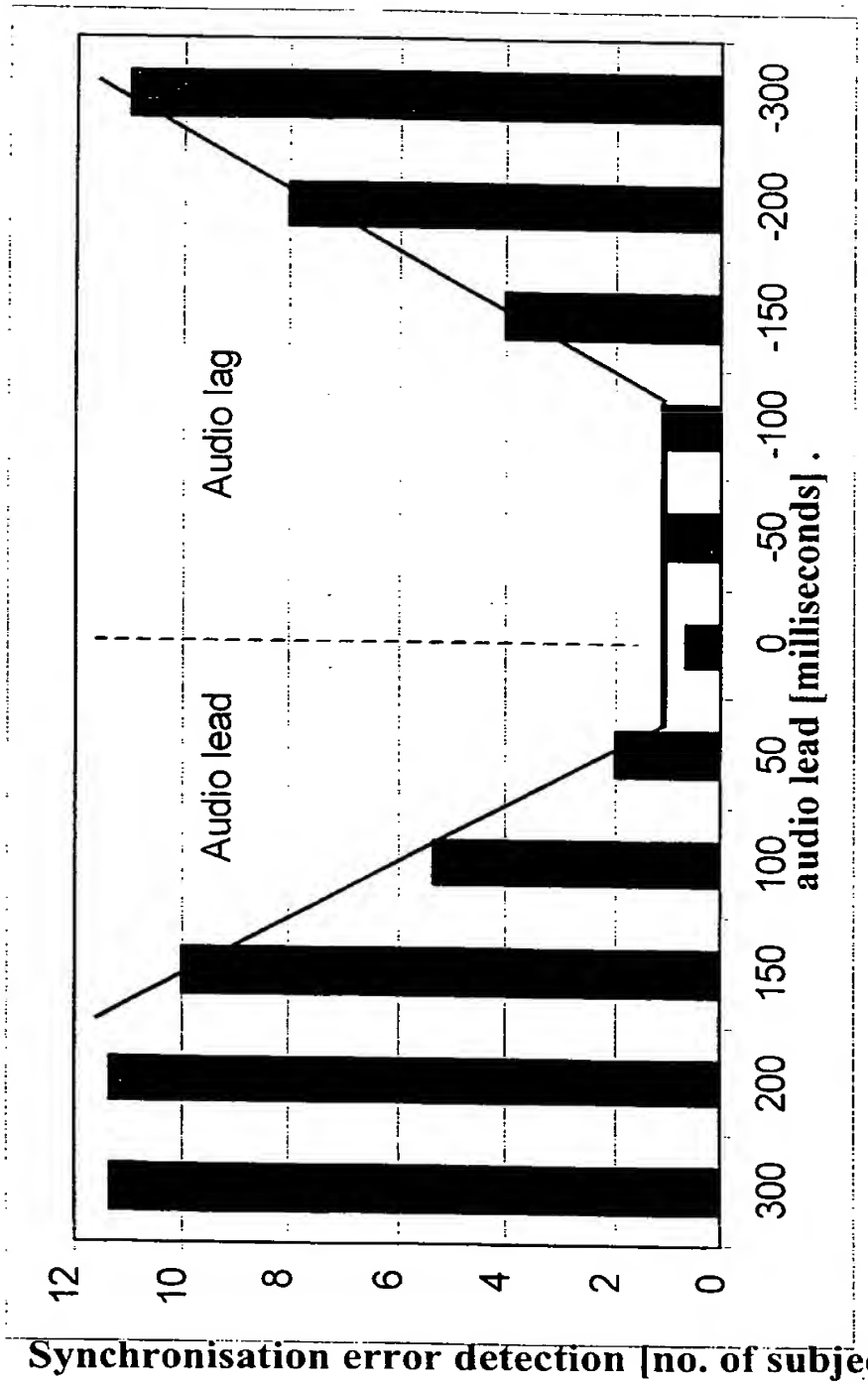

Figure 3

SUBSTITUTE SHEET (RULE 26)

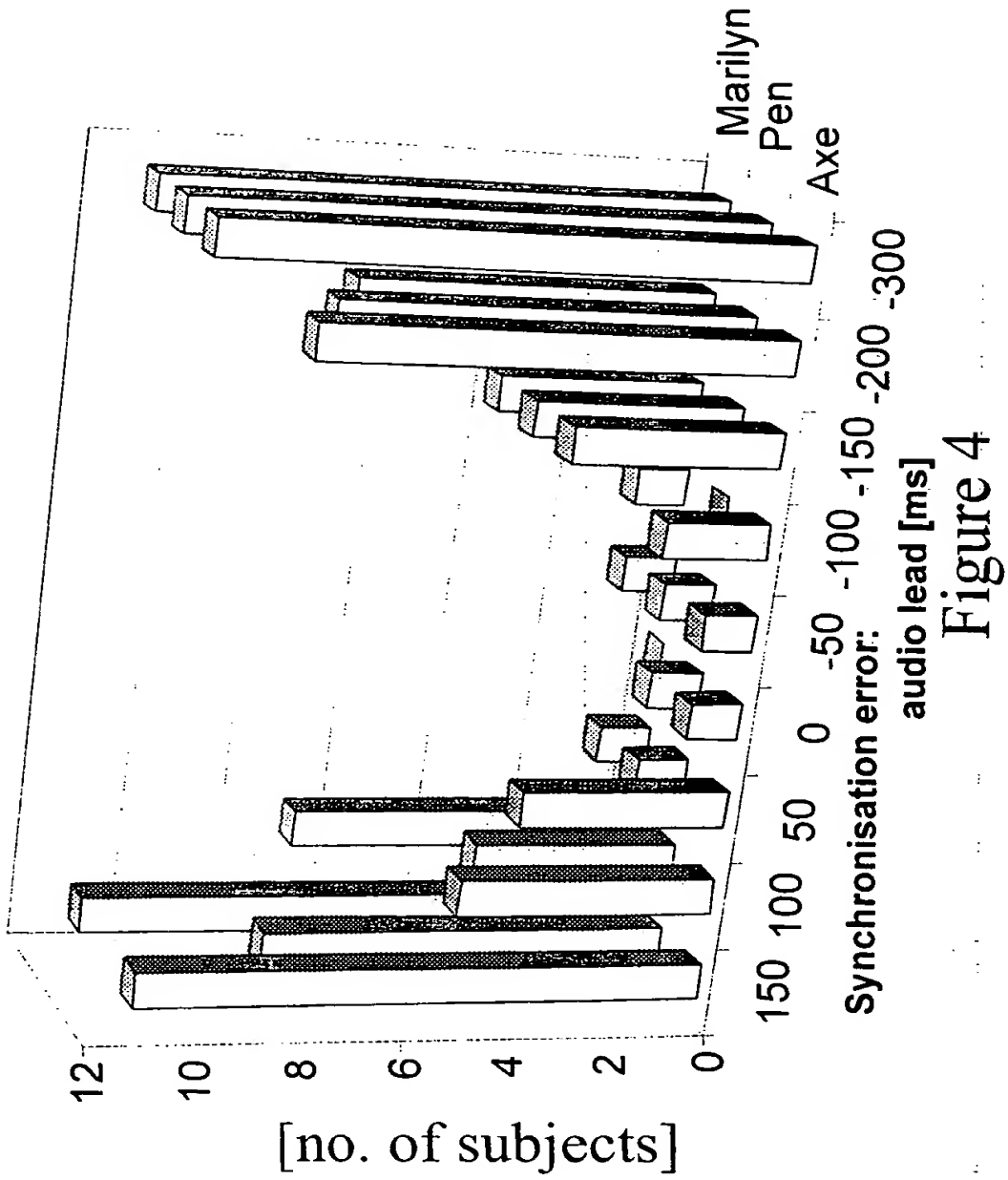
Marilyn
Pen
Axe
Synchronisation error:
audio lead [ms]
150 100 50 0 -50 -100 -150 -200 -300
12 10 8 6 4 2 0
[no. of subjects]

Figure 4